

AVON, OH 44011
TELEPHONE: (440) 937-7000

MATERIAL SAFETY DATA SHEET

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STIK N SEAL 1OZ. ADHESIVE
01-23782

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: STIK N SEAL 1OZ. ADHESIVE
Item No.: 01-23782
Product Type: Adhesive

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
TOLUENE*	108-88-3	40-45
Thermoplastic rubber	113569-15-6	20-25
Aromatic hydrocarbon resin	9017-21-4	15-20
Polyalicyclic resin	Proprietary	15-20
n-HEXANE*	110-54-3	5-10

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
TOLUENE	50 ppm skin 188 mg/M3 skin	100 ppm 375mg/M3	None
Aromatic hydrocarbon resin	10mg/m3 (Inhal) 3mg/m3 (Resp)	15 mg/m3 (Total) 5 mg/m3 (Resp)	None
n-HEXANE	50 ppmTWA(skin)	500 ppm TWA 1800 mg/M3	None

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
TOLUENE	None	150 ppm 560mg/M3

3. HAZARDS IDENTIFICATION

Toxicity: May irritate eyes and skin. May cause temporary corneal damage. May irritate upper respiratory tract if inhaled. Inhalation of very high concentrations may cause unconsciousness or death. Chronic exposure may cause anemia, decreased blood cell count, and bone marrow hypoplasia. May cause abdominal spasms if swallowed. Aspiration of material into the lungs may cause pneumonitis, which may be fatal. Animal studies have shown that exposure may cause weight gain, ovary weight

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3. HAZARDS IDENTIFICATION

(continued)

reduction, increased liver weight, and testicular immaturity.

Primary Routes of Entry: Skin, inhalation, ingestion, eyes.

Signs and Symptoms of Exposure: Fatigue, confusion, headache, nausea, dizziness, drowsiness, difficulty in breathing, chest pains, lung irritataion, edema (which can be fatal), respiratory failure, narcosis, nervous system depression, coughing, vomiting, gastrointestinal disturbances and irritation, coma, asphyxia. Skin redness, burning, drying, cracking. Other symptoms may include nasal and throat irritation, metallic taste, muscle weakness, euphoria, exhaleration, lightheadedness, confusion diarrhea.

Existing Conditions

Aggravated by Exposure: Skin disorders, impaired liver or kidney functions respiratory system disease, pulmonary disease, lung disorders, central nervous system disorders, peripheral nervous system disorders, vision defects, memory diminution, alcoholism.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen NTP IARC OSHA
TOLUENE	BEH CAR CNS DEV EAR IRR	NO NO NO
Thermoplastic rubber	No Data	NO NO NO
Aromatic hydrocarbon resin	No Data	NO NO NO
Polyalicyclic resin	No Data	NO NO NO
n-HEXANE	DEV IRR LUN NER REP	NO NO NO

Abbreviations

BEH Behavioral	CAR Cardiac
CNS Central nervous system	DEV Developmental
EAR Ear	IRR Irritant
LUN Lung	NER Nervous System
REP Reproductive	

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Wash with soap and water.

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4. FIRST AID MEASURES

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Eye Contact: Flush eyes with water for at least 15 minutes.
Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: 77°F Method: Tag Closed Cup
Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting
Procedures: NIOSH/MSHA approved self contained breathing
apparatus with full piece operated in pressure dem
demand or other positive pressure mode.
Hazardous Products formed
by Fire or Thermal Decomp Irritating organic vapors, oxides of carbon,
hydrocarbons, acrolein, acids, ketones, aldehydes.
Unusual Fire or
Explosion Hazards: Vapors can flow considerable distances along
surfaces to distant ignition sources and flash back
Explosive Limits:
(% by volume in air) Lower Toluene: 1.27%
Hexane: 1.0%
(% by volume in air) Upper Toluene: 7.1%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak: Remove sources of ignition. Maintain adequate
ventilation. Soak up with an inert absorbent.
Store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store away from sources of ignition. Keep
containers closed when not in use. Avoid exposure
to direct sunlight.
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid skin contact. Keep away from eyes. Avoid
inhalation of vapors. Do not use near sources of
ignition. Ground metal containers during use.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Sufficient to maintain vapor concentration below
TLV. Ventilation should be explosion proof.
Respiratory NIOSH/MSHA approved respirator.

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

(continued)

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear gel
Odor: Solvent
Boiling Point: 151-232°F
pH: Does not apply
Solubility in Water: Negligible
Specific Gravity 0.9074
Volatile Organic Compound
(EPA Method 24) 48.1%; 437 grams per liter
Vapor Pressure: Not available
Vapor Density: More than 1
Evaporation Rate
(Ether = 1) More than 1

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizers, acids.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of
disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste
Number D001/F005 - Hazardous waste per 40CFR 261.21 and
261.31/Toluene

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity (Not more than one liter);
Adhesives (More than one liter)

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14. TRANSPORTATION INFORMATION

(continued)

Hazard Class or
Division: ORM-D (Not more than one liter);
Class 3, Packing Group II (More than one liter)
Identification Number: None (Not more than one liter);
UN 1133 (More than one liter)
Marine Pollutant: None
IATA
Proper Shipping Name: Consumer Commodity (Not more than 500 ml);
Adhesives (More than 500 ml)
Class or Division: Class 9 (Not more than 500 ml);
Class 3, Packing Group II (More than 500 ml)
UN or ID Number: ID 8000 (Not more than 500 ml);
UN 1133 (More than 500 ml)

15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains a chemical known to
the State of California to cause birth
defects or other reproductive harm.
Toluene

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 2*
Flammability Hazard: 3
Reactivity Hazards: 0
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared by:

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